

King County DNRP Water Quality Index

STATION **X630** WATER YEAR **2018**

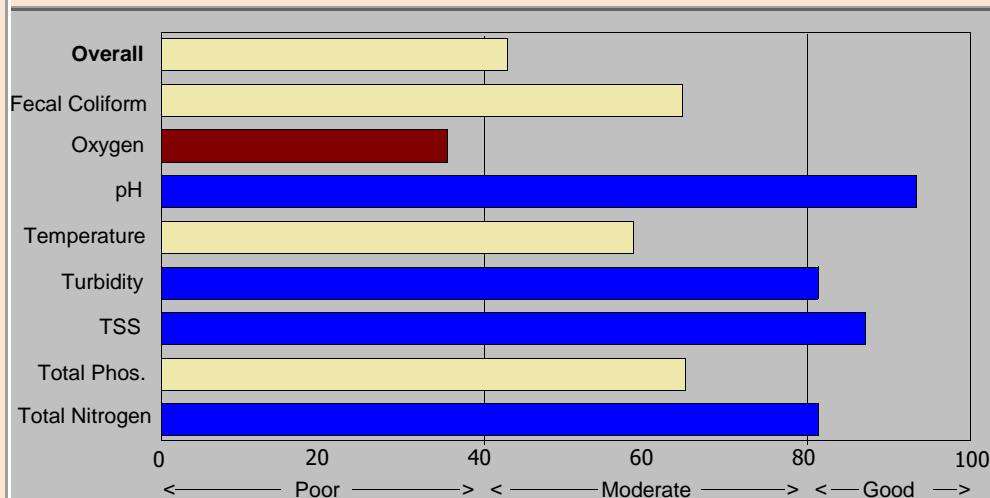
GAUGE # 67a Tibbetts Creek above Tributary 0170

Overall Index 43

King County monitors water quality in Tibbetts Creek at Station X630, which is located near the mouth, at the footbridge crossing over Tibbetts Creek in Sammamish State Park. Monitoring of the creek began at station A630 near the State Park entrance in 1975 and moved to its current location in 1997. Monitoring stopped from 2008 to early 2013 due to budget cutbacks. Tibbetts Creek is a relatively short creek (4.3 miles long) that originates on Squak Mountain at an elevation of 1,080 feet, and empties into Lake Sammamish. The creek is on the Washington State Department of Ecology's 303(d) list, Category 5, for violations of dissolved oxygen and temperature standards. Tibbetts Creek is also listed for bioassessment scores that indicate that biological integrity is degraded. And the creek has a Category 4a listing as part of the Issaquah Basin TMDL for fecal coliform bacteria.

Annual Water Quality Index Scores

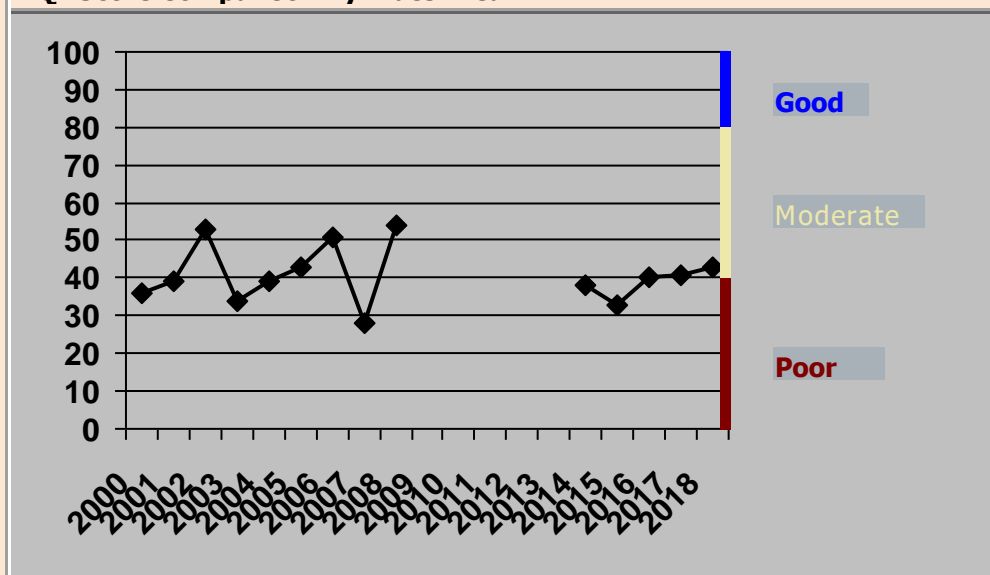
Water quality was MODERATE based on data collected 10/1/2017 to 9/30/2018.



Monthly Scores For Water Year 2018

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
77	72	89	77	97	96	76	81	88	44	51	35

WQI Score Comparison By Water Year



About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <https://green2.kingcounty.gov/streamsdata/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>